	Changed a file from non-ASCII to ASCII ENTERED CAP Processing Usio. 77-77 Changed a file from non-ASCII to ASCII
	Changed the margins in cases where the sequence text was 'wrapped' down to the next line.
	Edited a format error in the Current Application Data section, specifically:
	Edited the Current Application Data section with the actual current number. The number inputted by the applicant was
ı	Added the mandatory heading and subheadings for *Current Application Data*.
f	Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integ
(Changed the spelling of a mandatory field (the headings or subheadings), specifically:
C	Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:
ir	nserted or corrected a nucleic number at the end of a nucleic line. SEO ID NO's edited:
	orrected subheading placement. All responses must be on the same line as each subheading. If the oplicant placed a response below the subheading, this was moved to its appropriate place.
lr	nserted colons after headings/subheadings. Headings edited included: , .
С	eleted extra, invalid, headings used by an applicant, specifically:
	Deleted: non-ASCII "garbage" at the beginning/end of files; secretary initials/filename at end o
lı	nserted mandatory headings, specifically:
	orrected an obvious error in the response, specifically: Jeg 7- covered L2127 response
Ε	dited identifiers where upper case is used but lower case is required, or vice versa.
С	orrected an error in the Number of Sequences field, specifically:
^	*Hard Page Break* code was inserted by the applicant. All occurrences had to be deleted.
Del	eled ending stop codon in amino acid sequences and adjusted the *(A)Length:* field accordingly (end to a Patentin bug). Sequences corrected:
	her:

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

RAW SEQUENCE LISTING DATE: 07/24/2001 PATENT APPLICATION: US/09/834,794A TIME: 20:03:19

Input Set : A:\Pto.amc

Output Set: N:\CRF3\07242001\1834794A.raw

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3 <110> APPLICANT: Lawrence, Papsidero
           Lyn, Dyster
           Jana, Frustaci
   7 <120> TITLE OF INVENTION: Detection and Treatment of Breast Cancer
   9 <130> FILE REFERENCE: 3380/11127-US4
  11 <140> CURRENT APPLICATION NUMBER: 09/834,794A
  12 <141> CURRENT FILING DATE: 2001-04-13
  14 <150> PRIOR APPLICATION NUMBER: 09/146,580
  15 <151> PRIOR FILING DATE: 1998-09-03
  17 <150> PRIOR APPLICATION NUMBER: 60/071,899
  18 <151> PRIOR FILING DATE: 1998-01-20
  20 <150> PRIOR APPLICATION NUMBER: 60/092,155
  21 <151> PRIOR FILING DATE: 1998-07-09
  23 <160> NUMBER OF SEQ ID NOS: 35
  25 <170> SOFTWARE: PatentIn version 3.0
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  55 Cys Arg Ile Gln Arg Ala Asp Gly Asp Cys Asp Leu Ala Ala Val Ile
> 58 Leu His Val Lys Arg Xáa Arg Ile Cys Val Ser Pro His Asn His Thr
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  61 Val Lys Gln Trp Met Lys Val Gln Ala Ala Xaa Lys Asn Gly Lys Gly
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  64 Asn Val Cys His Arg Lys Lys His His Gly Lys Arg Asn Ser Asn Arg
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RAW SEQUENCE LISTING DATE: 07/24/2001 PATENT APPLICATION: US/09/834,794A TIME: 20:03:19

Input Set : A:\Pto.amc

Output Set: N:\CRF3\07242001\1834794A.raw

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DATE: 07/24/2001

TIME: 20:03:19

Input Set : A:\Pto.amc Output Set: N:\CRF3\07242001\1834794A.raw 148 <212> TYPE: DNA 149 <213> ORGANISM: Homo sapiens 151 <220> FEATURE: 152 <221> NAME/KEY: unsure 153 <222> LOCATION: (1)..(3117) 154 <223> OTHER INFORMATION: n at any position in the sequence represents a or g or c or t/u 157 <220> FEATURE: 158 <221> NAME/KEY: unsure 159 <222> LOCATION: (1)..(3117) 160 <223> OTHER INFORMATION: y at any position in the sequence represents t/u or c 163 <220> FEATURE: 164 <221> NAME/KEY: unsure 165 <222> LOCATION: (1)..(3117) 166 <223> OTHER INFORMATION: m at any position in the sequence represents a or c 169 <220> FEATURE: 170 <221> NAME/KEY: unsure 171 <222> LOCATION: (1)..(3117) . 172 <223> OTHER INFORMATION: k at any position in the sequence represents q or t/u 175 <220> FEATURE: 176 <221> NAME/KEY: unsure 177 <222> LOCATION: (1)..(3117) 178 <223> OTHER INFORMATION: s at any position in the sequence represents g or c 181 <220> FEATURE: 182 <221> NAME/KEY: unsure 183 <222> LOCATION: (1)..(3117) 184 <223> OTHER INFORMATION: w at any position in the sequence represents a or t/u187 <220> FEATURE: 188 <221> NAME/KEY: unsure 189 <222> LOCATION: (1)..(3117) 190 <223> OTHER INFORMATION: r at any position in the sequence represents g or a 193 <400> SEQUENCE: 6 W--> 195 aacatcctca cttqtqttqc tqtcaqtqcc tqtanggcaq qcaggaatgc aqcagagag 120 197 actogocato gtggcottgg ctgtotgtgc ggcoctacat gcotcagaag coatacttoo 199 cattqcctcc aqctqttqca cqqaqqtttc acatcatatt tccaqaaqqc tcctqqaaaq 180 201 agtgaatatg tgtcgcatcc agagagctga tggggattgt gacttggctg ctgtcatcct 240 W--> 203 tcatqtcaaq cqcnqaaqaa tctqtqtcaq cccqcacaac catactqtta aqcaqtqqat 300 W--> 205 gaaagtgcaa gctgccaana aaaatggtaa aggaaatgtt tgccacagga agaaacacca 360 207 tggcaagagg aacagtaaca gggcacatca ggggaaacac gaaacatacg gccataaaac 420 209 tccttattag agaatctaca gataaatcta cagagacaat cccccaagtg gacttggcca 480 540 213 atattggttt ttaaaaaatg aacaattgtg ccgtatgcaa atgtacccaa taatatactc 600 V> 215 cactggaaaa tgaaatgaaa aaannatact ggctgggtat ggtgggtccc cccttttatc 660 -> 217 ccannnnctt cgggaggcag aggcaggagg atcacttgag accaggantt ngagacnagc 720 -> 219 tnggggcaaa anagcaanga cntcatttnt acaaacnaaa aaaaannttg gcccggcntg 780 W--> 221 gtagnacttg cntataatcc cagcnacatg ggaggtngag gtgggaggat cacttgagtc 840 W--> 223 tgggngagtt ngaggtngca gtgagcagcn tgggtgacag aatgnagacc ntgtctctaa 900 W--> 225 aaataataat aataatgata gtgtatatct tcatataata ttttaagnag gagcatatag 960 W--> 227 atataacttn ctcccaactt tttaattata gttttccaaa cttacagaga agttaaaaga 1020

229 atggtacaat gaacatctat atatctttca ccacaatatt aatcattgtt aatattgtgc

RAW SEOUENCE LISTING

PATENT APPLICATION: US/09/834,794A

1080

RAW SEQUENCE LISTING DATE: 07/24/2001 PATENT APPLICATION: US/09/834,794A TIME: 20:03:19

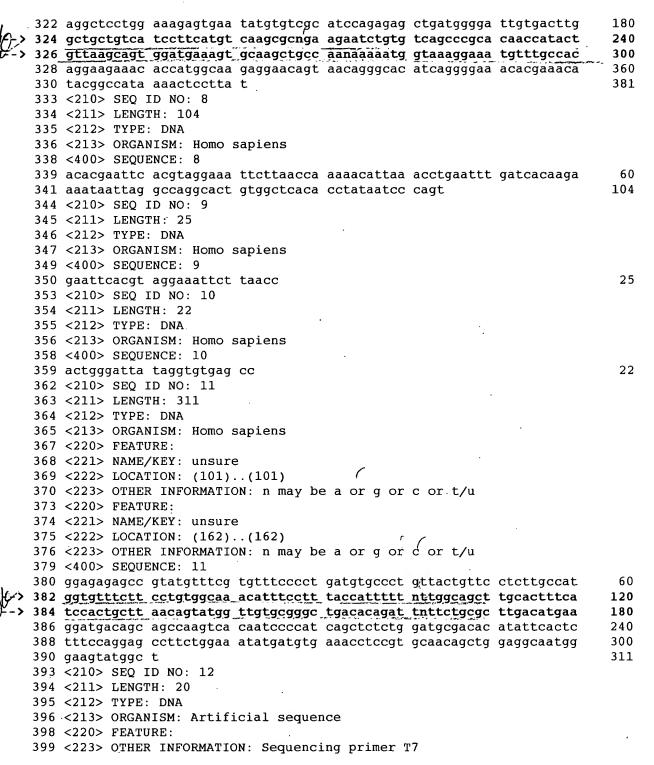
Input Set : A:\Pto.amc
Output Set: N:\CRF3\07242001\I834794A.raw

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		aagaaagttc						1500	
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		ttgcccaggt						1740	
		gtactgggat						1800	
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(w-)->	267	tgnttgtttt	tttkgagaca	grrtntnayt	ctgtttgccc	argctggart	tgcagtggca	2220	
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	- 	,,			- 5 9 9 - 9 9		· J	120	

RAW SEQUENCE LISTING DATE: 07/24/2001 PATENT APPLICATION: US/09/834,794A TIME: 20:03:19

Input Set : A:\Pto.amc

Output Set: N:\CRF3\07242001\1834794A.raw





Use of n and/or Xua has been detected in the Sequence Listing. Review the Sequence Listing to insure a corresponding explanation is presented in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY DATE: 07/24/2001 PATENT APPLICATION: US/09/834,794A TIME: 20:03:20

Input Set : A:\Pto.amc

Output Set: N:\CRF3\07242001\1834794A.raw

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L:95 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:101 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:195 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
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L:221 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:223 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:231 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:235 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
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L:291 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:295 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:297 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
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L:326 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:382 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:384 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
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OIPE

RAW SEQUENCE LISTING DATE: 07/05/2001 PATENT APPLICATION: US/09/834,794A TIME: 10:32:19

Input Set : A:\Sequenc3.txt

Output Set: N:\CRF3\07052001\1834794A.raw

Does Not Comply
Corrected Diskette Needed

ERRORED SEQUENCES

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     322 aggeteetgg aaagagtgaa tatgtgtege atceagagag etgatgggga ttgtgaettg
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     324 getgetgtea teetteatgt caagegenga agaatetgtg teagecegea caaceatact
                                                                                  240
     326 gttaagcagt ggatgaaagt gcaagctgcc aanaaaaatg gtaaaggaaa tgtttgccac
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     328 aggaagaaac accatggcaa gaggaacagt aacagggcac atcaggggaa acacgaaaca
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     330 tacggccata aaactcctta t
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/834,794A

DATE: 07/05/2001 TIME: 10:32:20

Input Set : A:\Sequenc3.txt

Output Set: N:\CRF3\07052001\1834794A.raw

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 L:101 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
 L:195 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
 L:203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
 L:205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
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L:302 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:
 \texttt{L:}382~\texttt{M:}341~\texttt{W:} (46) "n" or "Xaa" used, for SEQ ID#:11
 L:384 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
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